



Our Docket No: 015685.P050

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

re Application of:)
Dogan et al.)
Application No: 09/967,056)
Filed: September 28, 2001)
For: Training Sequences for Peak to)
Average Power Constrained)
Modulation Formats)

Examiner: Not yet assigned
Art Unit: 2681

7/3
4-3-02
MB

PRELIMINARY AMENDMENT AND REMARKS RECEIVED

Box Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

MAR 18 2002

Technology Center 2600

Sir:

Prior to examination of the above-captioned case, Applicant respectfully requests the Examiner to enter the following amendment:

AMENDMENTIn the specification:

Please delete paragraph 13 and insert the following replacement paragraph

in its place:

A set of spatial multiplexing weights for each subscriber station are applied to the respective modulated signals to produce spatially multiplexed signals to be transmitted by the bank of four antennas. The host DSP 231 produces and maintains spatial signatures for each subscriber station for each conventional channel and calculates spatial